

## AMENDMENTS TO THE CLAIMS

**1. (Currently amended)** A gas-barrier multilayer hollow container having a co-stretched multilayer wall structure ~~including comprising:~~

a layer of a polyglycolic acid resin comprising at least 60 wt.% of a recurring unit represented by ~~a~~-formula (1), ~~of  $-(O-CH_2-CO)-$  and  $-(O-CH_2-CO)-$~~  (1), and

a layer of co-laminated resin comprising an aromatic polyester resin or an aliphatic polyester resin other than polyglycolic acid resin laminated on at least one surface of the polyglycolic acid resin layer, ~~and satisfying~~

wherein the multilayer wall structure has been cooled once, re-heated and then co-stretched to satisfy a formula of (2),  $(T \times w/v \leq 0.8 \times 10^{-3})$  (2), wherein T represents an oxygen gas permeability (ml/container/day/atm), v represents a volume (ml) of the container, and w represents a content (wt.%) of the polyglycolic acid resin with respect to a whole weight of the container.

**2. (Currently amended)** ~~A~~The multilayer hollow container according to Claim 1, wherein the co-laminated resin has a glass transition temperature of at most 70 °C.

**3. (Currently amended)** A gas-barrier multilayer hollow container having a co-stretched multilayer wall structure ~~including comprising:~~

a layer of a polyglycolic acid resin comprising at least 60 wt.% of a recurring unit represented by ~~a~~-formula (1), ~~of  $-(O-CH_2-CO)-$  and  $-(O-CH_2-CO)-$~~  (1), and

a layer of co-laminated resin comprising an aromatic polyester resin or an aliphatic polyester resin other than polyglycolic acid resin laminated on at least one surface of the polyglycolic acid resin layer, ~~and satisfying~~

wherein the multilayer wall structure has been cooled once, re-heated and then co-stretched to satisfy a formula of (2),  $(T \times w/v \leq 0.8 \times 10^{-3})$  (2), wherein T represents an oxygen gas permeability (ml/container/day/atm), v represents a volume (ml) of the container of at most 700 ml, and w represents a content (wt.%) of the polyglycolic acid resin of 1 - 10 wt.% with respect to a whole weight of the container.

- 4. (Currently amended)** ~~A~~The multilayer hollow container according to Claim 1, further comprising a laminate of the polyglycolic acid resin and an aromatic polyester resin.
- 5. (Currently amended)** ~~A~~The multilayer hollow container according to Claim 1, wherein layers of one or both of the aromatic and the aliphatic polyester resin are laminated on both surfaces of and co-stretched with the polyglycolic acid resin layer.
- 6. (Currently amended)** ~~A~~The multilayer hollow container according to Claim 5, wherein layers of the aromatic polyester resin are laminated on both surfaces of the polyglycolic acid resin layer.
- 7. (Currently amended)** ~~A~~The multilayer hollow container according to Claim 4, wherein the co-laminated resin comprises a recycled resin.
- 8. (Currently amended)** ~~A~~The multilayer hollow container according to Claim 7, wherein the recycled resin contains at most 10 wt.% ~~thereof~~ of the polyglycolic acid resin.
- 9. (Currently amended)** ~~A~~The multilayer hollow container according to Claim 1, wherein the polyglycolic acid resin has the following thermal properties ~~including~~:
- a Tg (glass transition temperature) of 30 - 55 °C, a Tc1 (crystallization temperature on temperature increase) of 60 - 135 °C,
  - a Tc2 (crystallization temperature on temperature decrease) of 140 - 200 °C, and
  - a Tm (melting point) of 150 - 230 °C.
- 10. (Withdrawn)** A process for producing a gas-barrier multilayer hollow container, comprising the steps of: heat-forming a hollow laminate reform having a layer structure including a layer of a polyglycolic acid resin comprising at least 60 wt.% of recurring unit represented by a formula of  $-(O\cdot CH_2\cdot CO)-\cdots(1)$ , and a layer of co-laminated resin comprising an aromatic polyester resin or an aliphatic polyester resin other than polyglycolic acid resin and having a glass-transition point of at least 70 °C laminated on at least one surface of the

polyglycolic acid resin layer; cooling the preform; re-heating the preform; and co-stretching the preform.

**11. (Withdrawn)** A production process according to Claim 10, wherein the hollow laminate preform is formed by co-injection.

**12. (Withdrawn)** A production process according to Claim 10, wherein the laminate preform after heating is re-heated to a temperature of at most 90 °C by heating it for 30 - 110 sec. by an infrared heater.

**13. (Withdrawn)** A production process according to Claim 10, wherein the re-heated laminate preform is set in a mold and subjected to blow co-stretching at ratios of longitudinally 1.5 - 4.0 times and transversely 3.0 - 9.0 times.

**14. (Withdrawn)** A production process according to Claim 10, wherein a container after the co-stretching is heat-set by holding it in a heated mold at 70 - 160 °C for 1 - 10 sec.

**15. (Currently amended)** ~~A~~The multilayer hollow container according to Claim 3, further comprising a laminate of the polyglycolic acid resin and an aromatic polyester resin.

**16. (Currently amended)** ~~A~~The multilayer hollow container according to Claim 3, wherein layers of one or both of the aromatic and the aliphatic polyester resin are laminated on both surfaces of and co-stretched with the polyglycolic acid resin layer.

**17. (Currently amended)** ~~A~~The multilayer hollow container according to Claim 3, wherein the polyglycolic acid resin has the following thermal properties ~~including~~:

- a T<sub>g</sub> (glass transition temperature) of 30 - 55 °C,
- a T<sub>c1</sub> (crystallization temperature on temperature increase) of 60 - 135 °C, a T<sub>c2</sub> (crystallization temperature on temperature decrease) of 140 - 200 °C, and
- a T<sub>m</sub> (melting point) of 150 - 230 °C.